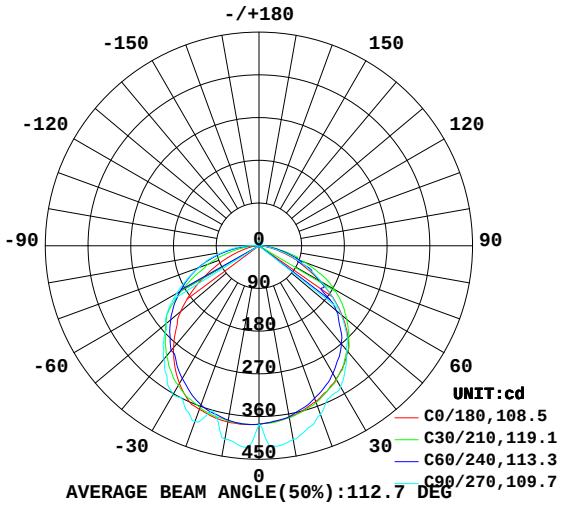
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

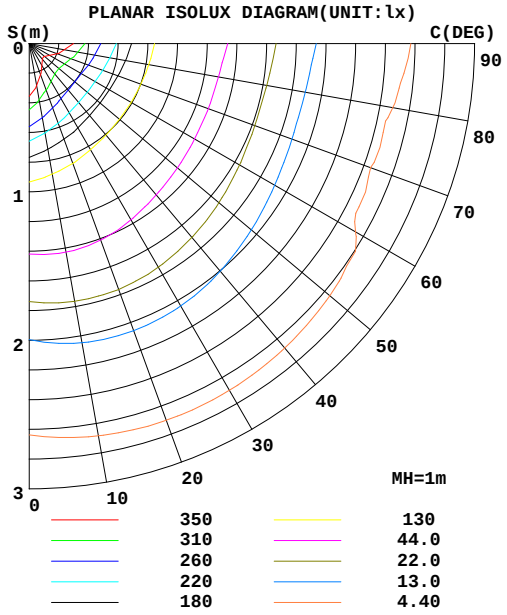
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 88.95 lm/W	
MODEL	HCP-3865126	Imax(cd)	425.7	S/MH(C0/180)	1.29
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.39
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1164.2	η UP,DN(C0-180)	0.8,43.8
NOMINAL FLUX(lm)	1164.25	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.9,53.4
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.9	η down(%)	97.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):112.7 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	367.1	366.8	415.0	360.5	376.9	373.9	414.7	381.5	0- 10	36.36	36.36	3.12,3.12
20	349.5	346.9	378.2	333.4	366.9	359.9	394.5	374.6	10- 20	104.1	140.5	12.1,12.1
30	324.5	318.5	343.7	297.2	335.1	331.2	363.2	355.4	20- 30	159.7	300.1	25.8,25.8
40	291.9	279.9	287.5	255.1	280.1	295.3	311.7	326.8	30- 40	195.2	495.3	42.5,42.5
50	228.7	227.0	225.7	200.9	215.6	248.9	255.3	284.6	40- 50	204.2	699.6	60.1,60.1
60	148.1	166.1	151.4	141.3	136.1	190.3	200.0	234.6	50- 60	183.8	883.3	75.9,75.9
70	76.78	97.95	83.21	74.44	65.15	125.5	134.5	173.2	60- 70	137.9	1021	87.7,87.7
80	21.36	36.70	26.66	21.40	19.53	58.94	76.91	104.0	70- 80	81.09	1102	94.7,94.7
90	0.3617	2.361	4.197	2.056	0.4070	12.13	23.09	49.65	80- 90	30.22	1133	97.3,97.3
100	0.4237	1.144	4.779	1.820	0.5473	2.163	4.225	34.91	90-100	10.58	1143	98.2,98.2
110	0.8573	1.580	5.887	2.566	1.026	1.920	4.020	15.85	100-110	5.882	1149	98.7,98.7
120	1.431	2.144	7.054	3.094	1.618	2.444	4.948	5.670	110-120	3.768	1153	99,99
130	1.998	2.710	8.012	3.504	2.160	2.893	5.984	2.353	120-130	2.991	1156	99.3,99.3
140	2.432	3.176	8.577	3.379	2.464	3.241	6.990	2.612	130-140	2.768	1158	99.5,99.5
150	2.620	3.425	8.943	3.403	2.592	3.524	7.890	2.825	140-150	2.453	1161	99.7,99.7
160	2.584	3.396	8.416	3.221	2.527	3.493	7.816	2.827	150-160	1.847	1163	99.9,99.9
170	2.591	3.332	6.871	3.091	2.561	3.405	8.247	2.840	160-170	1.095	1164	100,100
180	2.802	3.595	5.607	3.154	2.813	3.573	5.784	3.233	170-180	0.3557	1164	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 598.25 lm

%lum = 51.4%
%lamp = 51.4%

Conical surface Flux(120deg): 883.33 lm

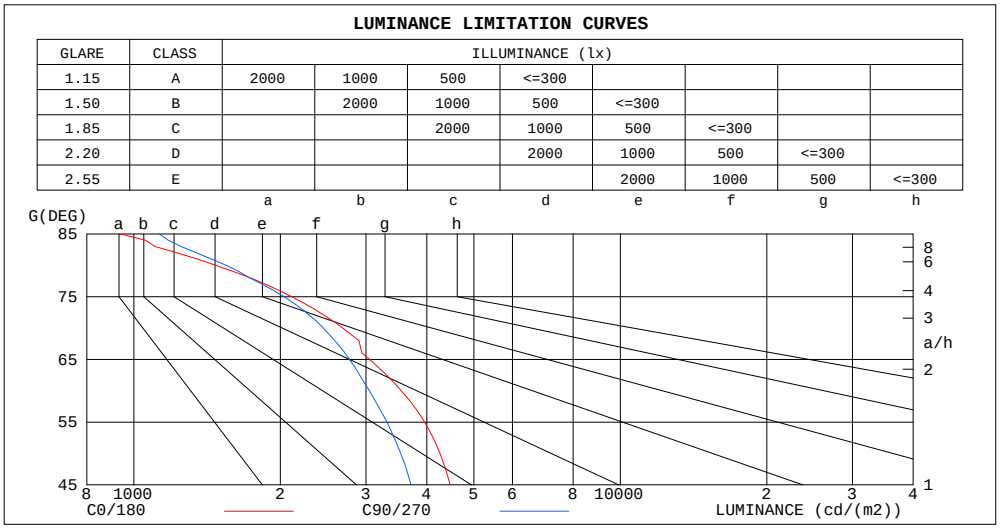
%lum = 75.9%
%lamp = 75.9%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	937	1127
80	1472	1546
75	2109	2034
70	2687	2451
65	3050	2773
60	3545	3049
55	3959	3313
50	4259	3537
45	4465	3713

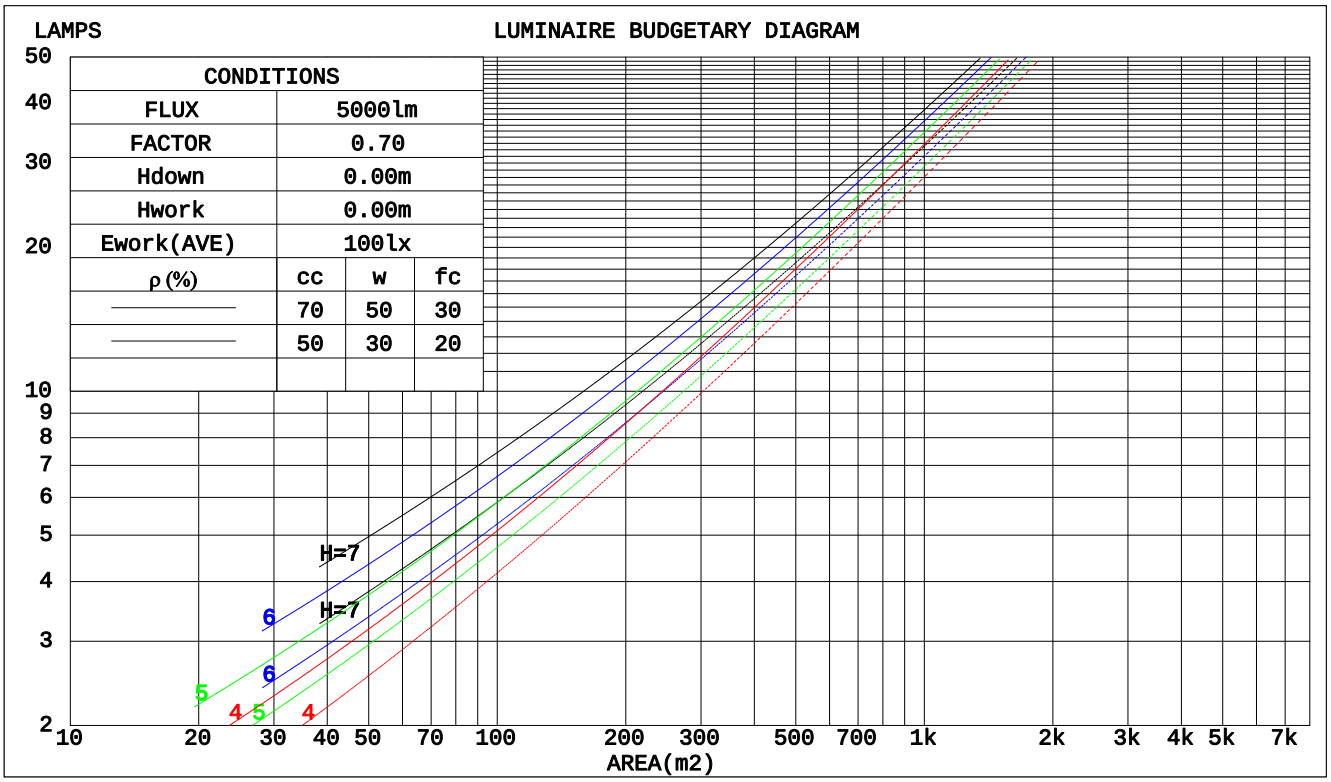
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.77	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.47	.40	.55	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.317	.180	.057	.309	.176	.056	.294	.169	.054	.281	.162	.052	.268	.155	.050	
2.0	.295	.162	.050	.288	.159	.049	.275	.153	.047	.263	.147	.046	.252	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.250	.130	.038	.245	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.194	.101	.030	.186	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.174	.090	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.078	.022	.161	.078	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.211	.211	.211	.181	.181	.181	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.202	.177	.155	.173	.152	.133	.118	.105	.092	.068	.060	.054	.022	.019	.017	
2.0	.194	.153	.119	.166	.132	.103	.114	.091	.072	.066	.053	.042	.021	.017	.014	
3.0	.186	.136	.095	.160	.117	.083	.110	.081	.058	.063	.047	.034	.020	.015	.011	
4.0	.178	.122	.079	.153	.106	.069	.105	.074	.049	.061	.043	.029	.020	.014	.009	
5.0	.171	.112	.068	.147	.097	.060	.101	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.164	.104	.060	.141	.090	.053	.097	.063	.037	.056	.037	.022	.018	.012	.007	
7.0	.157	.097	.055	.135	.084	.048	.093	.059	.034	.054	.035	.020	.018	.011	.007	
8.0	.151	.091	.050	.130	.079	.044	.090	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.144	.086	.047	.124	.075	.041	.086	.053	.029	.050	.031	.017	.016	.010	.006	
10.0	.139	.082	.044	.120	.071	.038	.083	.050	.027	.048	.030	.016	.016	.010	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	17.4	18.9	17.7	19.1	19.4	16.2	17.7	16.6	18.0	18.2
	3H	18.5	19.9	18.9	20.2	20.5	17.5	18.9	17.8	19.2	19.5
	4H	18.9	20.2	19.3	20.5	20.8	17.9	19.3	18.3	19.6	19.9
	6H	19.1	20.3	19.4	20.6	21.0	18.2	19.4	18.5	19.7	20.1
	8H	19.1	20.3	19.5	20.6	20.9	18.2	19.4	18.6	19.7	20.1
	12H	19.1	20.2	19.4	20.5	20.9	18.2	19.4	18.6	19.7	20.1
4H	2H	17.8	19.1	18.2	19.4	19.7	16.9	18.2	17.3	18.5	18.8
	3H	19.2	20.3	19.6	20.7	21.0	18.3	19.5	18.7	19.8	20.2
	4H	19.7	20.8	20.1	21.1	21.5	18.9	19.9	19.3	20.3	20.7
	6H	20.0	20.9	20.4	21.3	21.7	19.2	20.1	19.6	20.5	20.9
	8H	20.0	20.9	20.5	21.3	21.7	19.3	20.1	19.7	20.5	21.0
	12H	20.0	20.8	20.5	21.3	21.7	19.3	20.1	19.8	20.5	21.0
8H	4H	19.9	20.8	20.3	21.2	21.6	19.1	20.0	19.6	20.4	20.9
	6H	20.3	21.0	20.8	21.5	21.9	19.6	20.3	20.1	20.8	21.2
	8H	20.4	21.0	20.9	21.5	22.0	19.7	20.3	20.2	20.8	21.3
	12H	20.5	21.0	21.0	21.5	22.0	19.8	20.3	20.3	20.8	21.4
12H	4H	19.9	20.7	20.3	21.1	21.6	19.1	19.9	19.6	20.4	20.8
	6H	20.3	20.9	20.8	21.4	21.9	19.6	20.3	20.1	20.7	21.2
	8H	20.5	21.0	21.0	21.5	22.0	19.8	20.3	20.3	20.8	21.4

Variations with the observer position at spacings:		
S = 1.0H	+ 0.1 / - 0.1	+ 0.2 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.4
2.0H	+ 0.4 / - 0.7	+ 0.4 / - 0.4

CIE Pub.117, 1164 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.5)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

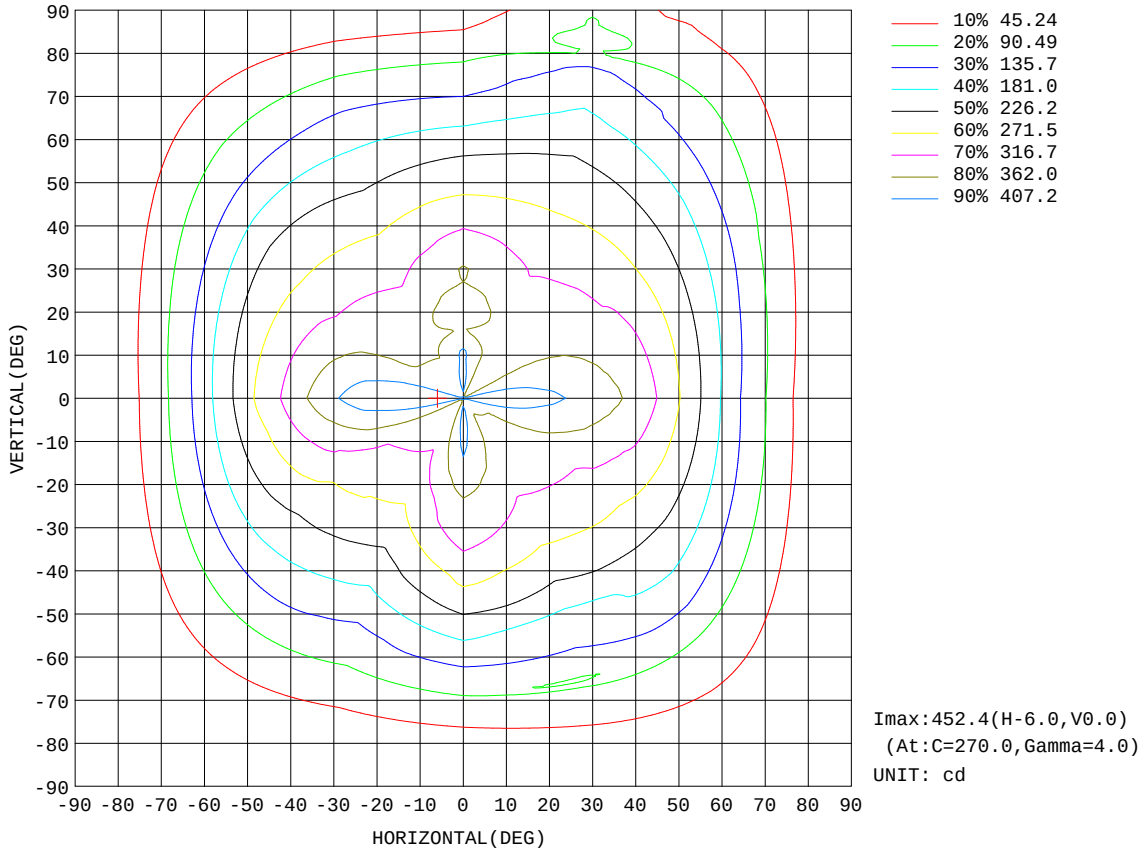
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	102	97	93	98	93	90	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



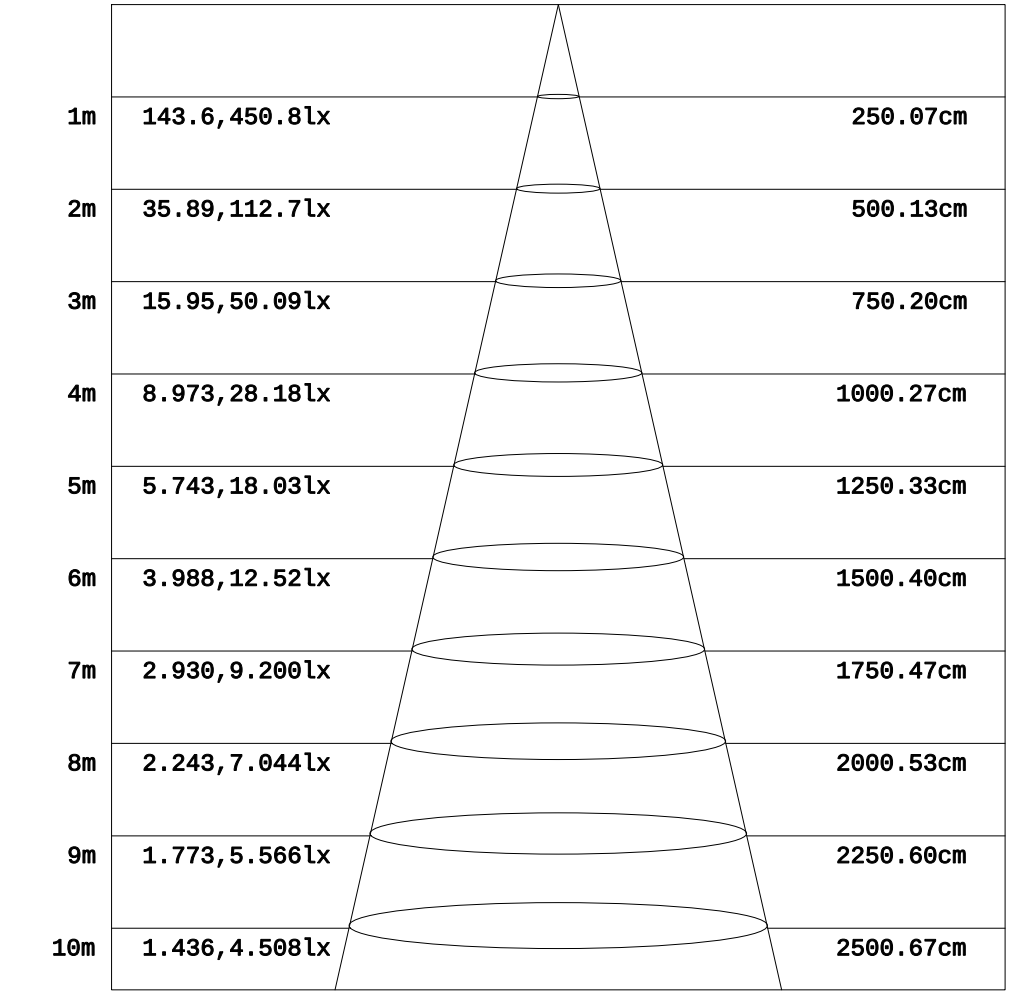
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

Flux out:738.9 lm



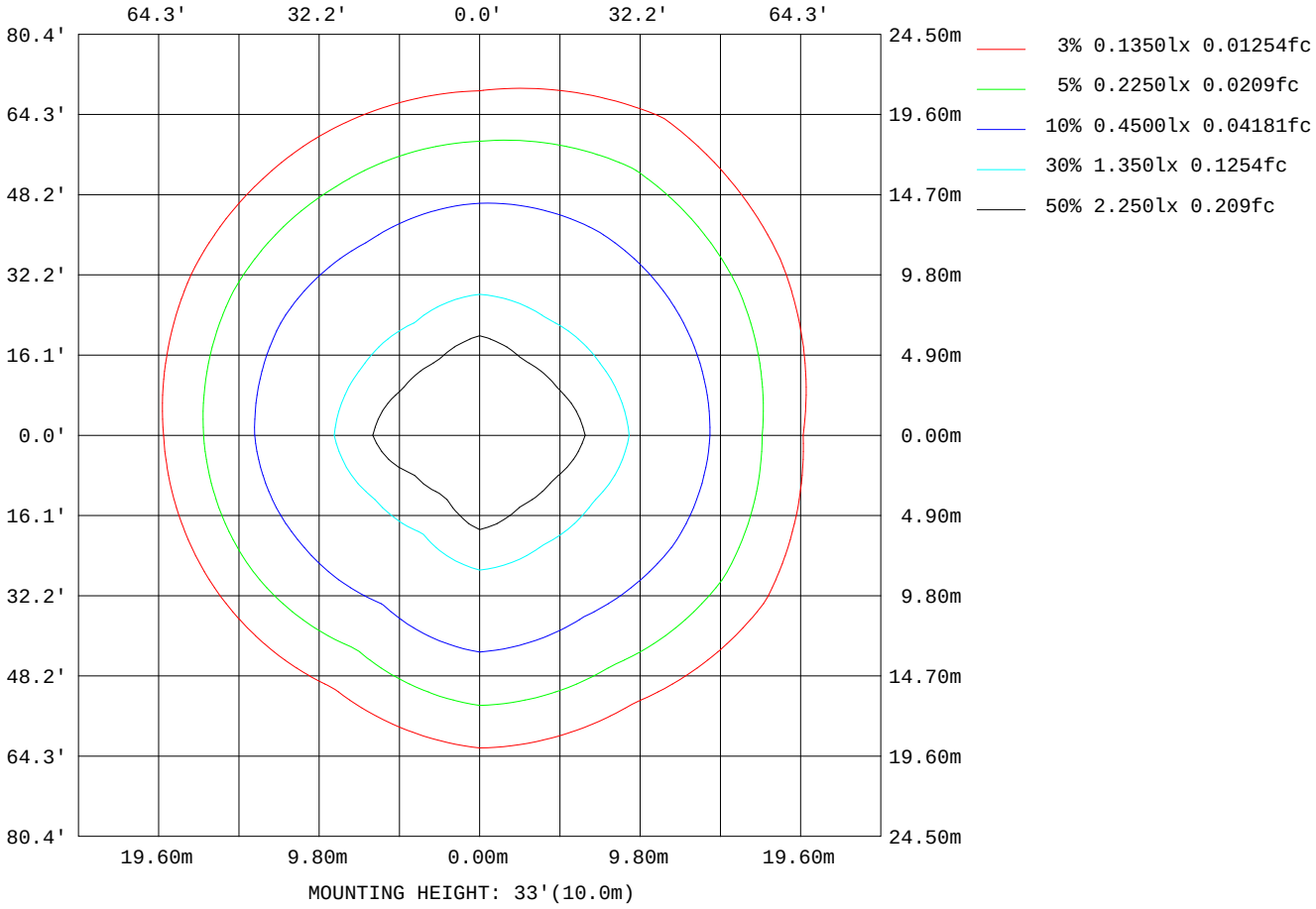
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

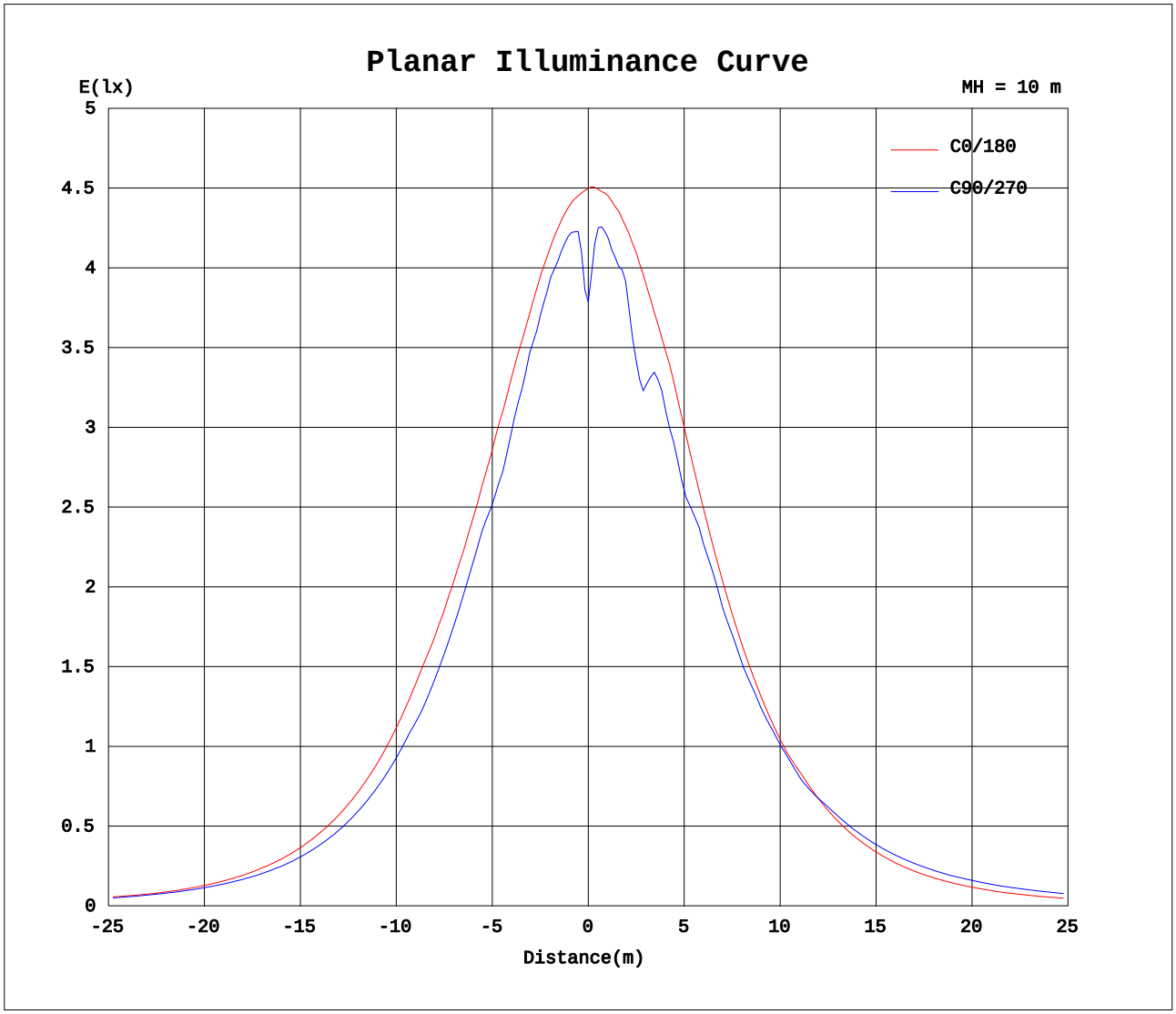
AvgL	cd/m2
L_0~180(65)av	2434
L_0~180(75)av	1622
L_0~180(85)av	791
L_90~270(65)av	3351
L_90~270(75)av	3109
L_90~270(85)av	3273
L_45(65)av	3660
L_45(75)av	3543
L_45(85)av	4174

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.87V I:0.0584A P:13.090W PF:0.9709 Freq:49.99Hz Lamp Flux:1164.25x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	376	376	376	376	376	376	376	376	376	376	376	376
5	373	374	371	424	368	371	378	377	377	424	379	381
10	367	368	366	415	357	363	377	375	373	415	381	382
15	359	361	355	398	344	352	373	371	366	364	378	381
20	349	352	342	378	327	339	367	363	357	395	373	376
25	339	339	328	353	308	324	356	353	342	372	366	370
30	324	326	311	344	289	306	335	339	323	363	352	359
35	309	310	291	317	265	292	309	323	303	338	338	347
40	292	290	270	287	240	270	280	303	288	312	320	333
45	264	268	241	261	213	245	247	279	265	284	307	309
50	229	241	213	226	185	217	216	255	243	255	287	282
55	190	214	159	189	154	188	176	229	219	232	267	252
60	148	183	150	151	131	151	136	188	192	200	247	222
65	108	146	123	116	101	113	98.1	147	164	167	223	186
70	76.8	104	91.9	83.2	71.8	77.1	65.1	115	136	135	199	149
75	45.6	72.3	61.5	52.3	44.5	46.0	38.4	79.5	104	109	174	119
80	21.4	39.4	33.9	26.7	20.5	22.3	19.5	47.6	70.3	76.9	124	84.3
85	6.82	15.7	12.7	9.75	6.76	6.82	6.97	21.7	39.2	47.3	116	52.2
90	0.36	2.63	2.09	4.20	2.48	1.64	0.41	7.22	17.1	23.1	92.1	8.33
95	0.31	0.96	1.25	4.30	1.94	1.23	0.42	2.20	6.13	9.26	74.0	21.2
100	0.42	0.95	1.34	4.78	2.10	1.54	0.55	1.35	2.98	4.23	52.3	18.0
105	0.61	1.13	1.52	5.32	2.51	1.81	0.76	1.35	2.42	3.68	34.0	14.1
110	0.86	1.40	1.76	5.89	3.05	2.10	1.03	1.47	2.37	4.02	20.9	11.0
115	1.13	1.71	2.02	6.47	3.25	2.43	1.31	1.75	2.43	4.47	10.54	8.55
120	1.43	2.01	2.28	7.05	3.39	2.81	1.62	2.14	2.74	4.95	4.84	6.47
125	1.73	2.32	2.55	7.61	3.50	3.26	1.92	2.47	2.80	5.48	2.77	3.48
130	2.00	2.60	2.82	8.01	3.58	3.43	2.16	2.79	3.00	5.98	2.39	2.32
135	2.24	2.86	3.07	8.33	3.62	3.02	2.34	3.04	3.30	6.50	2.48	2.44
140	2.43	3.06	3.29	8.58	3.65	3.11	2.46	3.19	3.29	6.99	2.62	2.60
145	2.56	3.20	3.46	8.79	3.67	3.19	2.56	3.26	3.55	7.48	2.75	2.73
150	2.62	3.27	3.58	8.94	3.60	3.21	2.59	3.31	3.74	7.89	2.85	2.80
155	2.63	3.28	3.61	8.68	3.51	3.16	2.57	3.30	3.81	7.85	2.90	2.81
160	2.58	3.21	3.58	8.42	3.37	3.07	2.53	3.24	3.74	7.82	2.90	2.76
165	2.57	3.16	3.53	8.10	3.26	3.01	2.51	3.28	3.63	7.82	2.89	2.73
170	2.59	3.16	3.51	6.87	3.20	2.98	2.56	3.28	3.53	8.25	2.92	2.76
175	2.70	3.28	3.61	5.85	3.18	3.05	2.68	3.35	3.63	6.72	3.06	2.91
180	2.80	3.44	3.75	5.61	3.19	3.12	2.81	3.44	3.70	5.78	3.36	3.11

C Range: 0 - 360DEG
C Interval: 30.0DEG
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γ Range: 0 - 180DEG
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